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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,669B

DATE: 06/17/2002

TIME: 13:48:54

Input Set : A:\A-690.ST25.txt

Output Set: N:\CRF3\06172002\I840669B.raw

3 <110> APPLICANT: KOHNO, TADAHIKO  
 5 <120> TITLE OF INVENTION: APO-AI/AII PEPTIDE DERIVATIVES  
 7 <130> FILE REFERENCE: A-690  
 9 <140> CURRENT APPLICATION NUMBER: 09/840,669B  
 C--> 10 <141> CURRENT FILING DATE: 2002-06-07  
 12 <150> PRIOR APPLICATION NUMBER: 60/198,920  
 13 <151> PRIOR FILING DATE: 2000-04-21  
 15 <160> NUMBER OF SEQ ID NOS: 11  
 17 <170> SOFTWARE: PatentIn version 3.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 684  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Homo sapiens  
 24 <220> FEATURE:  
 25 <221> NAME/KEY: CDS  
 26 <222> LOCATION: (1)..(684)  
 27 <223> OTHER INFORMATION:  
 30 <400> SEQUENCE: 1  
 31 atg gac aaa act cac aca tgt cca cct tgt cca gct ccg gaa ctc ctg 48  
 32 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu  
 33 1 5 10 15  
 35 ggg gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc 96  
 36 Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu  
 37 20 25 30  
 39 atg atc tcc ccg acc cct gag gtc aca tgc gtg gtg gtg gac gtg agc 144  
 40 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser  
 41 35 40 45  
 43 cac gaa gac cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg gag 192  
 44 His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu  
 45 50 55 60  
 47 gtg cat aat gcc aag aca aag ccg ccg gag gag cag tac aac agc acg 240  
 48 Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr  
 49 65 70 75 80  
 51 tac cgt gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat 288  
 52 Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn  
 53 85 90 95  
 55 ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc 336  
 56 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro  
 57 100 105 110  
 59 atc gag aaa acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag 384  
 60 Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln  
 61 115 120 125  
 63 gtg tac acc ctg ccc cca tcc ccg gat gag ctg acc aag aac cag gtc 432

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64 Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
65      130      135      140
67 agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg      480
68 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
69 145      150      155      160
71 gag tgg gag agc aat ggg cag ccg gag aac tac aag acc acg cct      528
72 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Tyr Lys Thr Thr Pro
73      165      170      175
75 ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc      576
76 Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
77      180      185      190
79 gtg gac aag agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg      624
80 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
81      195      200      205
83 atg cat gag gct ctg cac aac cac tac acg cag aag agc ctc tcc ctg      672
84 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
85      210      215      220
87 tct ccg ggt aaa      684
88 Ser Pro Gly Lys
89 225
92 <210> SEQ ID NO: 2
93 <211> LENGTH: 228
94 <212> TYPE: PRT
95 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 2
99 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
100 1      5      10      15
103 Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
104      20      25      30
107 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
108      35      40      45
111 His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
112      50      55      60
115 Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
116 65      70      75      80
119 Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
120      85      90      95
123 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
124      100      105      110
127 Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
128      115      120      125
131 Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
132      130      135      140
135 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
136 145      150      155      160
139 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
140      165      170      175
143 Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
144      180      185      190

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147 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
148      195      200      205
151 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
152      210      215      220
155 Ser Pro Gly Lys
156 225
159 <210> SEQ ID NO: 3
160 <211> LENGTH: 8
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Preferred linker
167 <400> SEQUENCE: 3
169 Gly Gly Gly Lys Gly Gly Gly Gly
170 1      5
173 <210> SEQ ID NO: 4
174 <211> LENGTH: 7
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Preferred linker
181 <400> SEQUENCE: 4
183 Gly Gly Asn Gly Ser Gly Gly
184 1      5
187 <210> SEQ ID NO: 5
188 <211> LENGTH: 8
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Preferred linker
195 <400> SEQUENCE: 5
197 Gly Gly Gly Cys Gly Gly Gly Gly
198 1      5
201 <210> SEQ ID NO: 6
202 <211> LENGTH: 5
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Preferred linker
209 <400> SEQUENCE: 6
211 Gly Pro Asn Gly Gly
212 1      5
215 <210> SEQ ID NO: 7
216 <211> LENGTH: 18
217 <212> TYPE: PRT
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 7
222 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
223 1      5      10      15

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Input Set : A:\A-690.ST25.txt

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226 Ala Phe  
 230 <210> SEQ ID NO: 8  
 231 <211> LENGTH: 18  
 232 <212> TYPE: PRT  
 233 <213> ORGANISM: Artificial Sequence  
 235 <220> FEATURE:  
 236 <223> OTHER INFORMATION: Preferred embodiments  
 238 <220> FEATURE:  
 239 <221> NAME/KEY: misc\_feature  
 240 <222> LOCATION: (18)..(18)  
 241 <223> OTHER INFORMATION: Fc domain attached at Position 18 through an optional linker  
 244 <400> SEQUENCE: 8  
 246 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
 247 1 5 10 15  
 250 Ala Phe  
 254 <210> SEQ ID NO: 9  
 255 <211> LENGTH: 18  
 256 <212> TYPE: PRT  
 257 <213> ORGANISM: Artificial Sequence  
 259 <220> FEATURE:  
 260 <223> OTHER INFORMATION: Preferred embodiments  
 262 <220> FEATURE:  
 263 <221> NAME/KEY: misc\_feature  
 264 <222> LOCATION: (1)..(1)  
 265 <223> OTHER INFORMATION: Fc domain attached through optional linker  
 268 <400> SEQUENCE: 9  
 270 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
 271 1 5 10 15  
 274 Ala Phe  
 278 <210> SEQ ID NO: 10  
 279 <211> LENGTH: 18  
 280 <212> TYPE: PRT  
 281 <213> ORGANISM: Artificial Sequence  
 283 <220> FEATURE:  
 284 <223> OTHER INFORMATION: Preferred embodiments  
 286 <220> FEATURE:  
 287 <221> NAME/KEY: misc\_feature  
 288 <222> LOCATION: (18)..(18)  
 289 <223> OTHER INFORMATION: Attached by optional linker to identical sequence, which is  
 attac  
 290 hed by optional linker to an Fc domain  
 293 <400> SEQUENCE: 10  
 295 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
 296 1 5 10 15  
 299 Ala Phe  
 303 <210> SEQ ID NO: 11  
 304 <211> LENGTH: 18  
 305 <212> TYPE: PRT  
 306 <213> ORGANISM: Artificial Sequence  
 308 <220> FEATURE:

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309 <223> OTHER INFORMATION: Preferred embodiments  
311 <220> FEATURE:  
312 <221> NAME/KEY: misc\_feature  
313 <222> LOCATION: (1)..(1)  
314 <223> OTHER INFORMATION: Attached by optional linker to Fc domain at the N-terminus.  
318 <220> FEATURE:  
319 <221> NAME/KEY: misc\_feature  
320 <222> LOCATION: (18)..(18)  
321 <223> OTHER INFORMATION: Attached by optional linker to an identical sequence  
324 <400> SEQUENCE: 11  
326 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
327 1                   5                   10                   15  
330 Ala Phe

VERIFICATION SUMMARY

DATE: 06/17/2002

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Input Set : A:\A-690.ST25.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date